

## Recombinant Mouse Phosphodiesterase 10A, GST-tagged

Cat. No. Pde10a-438M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Pde10a, full length with N-terminal GST tag expressed in a <i>Baculovirus</i> infected Sf9 cell expression system. MW = 114.5kDa.
<b>Species</b>	Mouse
<b>Source</b>	Sf9 Cells
<b>Description</b>	Phosphodiesterase 10A is an enzyme that in humans is encoded by the PDE10A gene.
<b>Purity</b>	>80%.
<b>Application</b>	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
<b>Formulated In</b>	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 30% glycerol, and 3 mM DTT.
<b>Stability</b>	>6 months at -80°C.
<b>Full Length</b>	Full L.

### GENE INFORMATION

<b>Gene Name</b>	Pde10a phosphodiesterase 10A [ <i>Mus musculus</i> ]
------------------	--

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

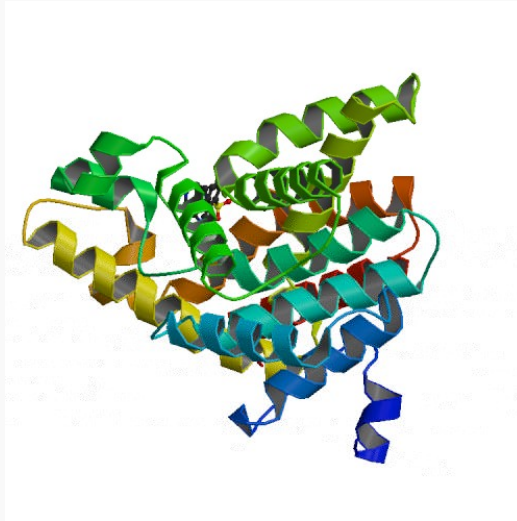
<b>Synonyms</b>	Pde10a; phosphodiesterase 10A; OTTMUSP00000024055; PDE10A2 brain-specific isoform; dual-substrate cAMP and cGMP, cyclic nucleotide phosphodiesterase; EC 3.1.4.17; EC 3.1.4.35
<b>Gene ID</b>	<a href="#">23984</a>
<b>mRNA Refseq</b>	<a href="#">NM_011866</a>
<b>Protein Refseq</b>	<a href="#">NP_035996</a>
<b>UniProt ID</b>	<a href="#">Q8CA95</a>
<b>Chromosome Location</b>	17 A1
<b>Pathway</b>	Progesterone-mediated oocyte maturation; Purine metabolism
<b>Function</b>	3",5"-cyclic-GMP phosphodiesterase activity; 3",5"-cyclic-nucleotide phosphodiesterase activity; cGMP binding; cAMP binding; catalytic activity; magnesium ion binding; nucleotide binding; zinc ion binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering based  
on 2o8h.



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA